

Claims:

1. A method for producing cells which are suitable for implantation at the site of a bone infirmity in a human, comprising transforming a suitable human host cell with a DNA encoding a bone morphogenetic protein (BMP) and culturing such cells.
 2. The method of claim 1, wherein the host cell is a cultured cell line.
 3. The method of claim 2, wherein the host cell contains an endogenous BMP receptor.
 4. The method of claim 1, wherein the host cell is a primary cell.
 5. The method of claim 4, wherein the host cell contains an endogenous BMP receptor.
 6. A method for producing cells which are suitable for implantation at the site of a bone infirmity in a human, comprising transforming a suitable human host cell with a DNA encoding a bone morphogenetic protein (BMP) and a DNA encoding a BMP receptor protein and culturing said cells.
 7. The method of claim 6, wherein the host cell is a cultured cell line.
 8. The method of claim 7, wherein the host cell contains an endogenous BMP receptor.
 9. The method of claim 6, wherein the host cell is a primary cell.
 10. The method of claim 9, wherein the host cell contains an endogenous BMP receptor.

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